

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:00:25 ON 08 JUL 2002

=> fil .bec
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 0.21 | 0.21 |

FULL ESTIMATED COST

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 14:00:35 ON 08 JUL 2002
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s deoxynucleoside(4a)kinase#
FILE 'MEDLINE'

921 DEOXYNUCLEOSIDE
174617 KINASE#

L1 68 DEOXYNUCLEOSIDE(4A) KINASE#

FILE 'SCISEARCH'

808 DEOXYNUCLEOSIDE
194035 KINASE#

L2 54 DEOXYNUCLEOSIDE(4A) KINASE#

FILE 'LIFESCI'

433 DEOXYNUCLEOSIDE
57468 KINASE#

L3 20 DEOXYNUCLEOSIDE(4A) KINASE#

FILE 'BIOTECHDS'

111 DEOXYNUCLEOSIDE
4945 KINASE#

L4 1 DEOXYNUCLEOSIDE(4A) KINASE#

FILE 'BIOSIS'

1069 DEOXYNUCLEOSIDE
224299 KINASE#

L5 70 DEOXYNUCLEOSIDE(4A) KINASE#

FILE 'EMBASE'

929 DEOXYNUCLEOSIDE
148680 KINASE#

L6 54 DEOXYNUCLEOSIDE(4A) KINASE#

FILE 'HCAPLUS'

2043 DEOXYNUCLEOSIDE
181282 KINASE#

L7 111 DEOXYNUCLEOSIDE(4A) KINASE#

FILE 'NTIS'

11 DEOXYNUCLEOSIDE
1203 KINASE#

L8 0 DEOXYNUCLEOSIDE(4A) KINASE#

FILE 'ESBIODBASE'

238 DEOXYNUCLEOSIDE
73614 KINASE#

L9 18 DEOXYNUCLEOSIDE(4A) KINASE#

FILE 'BIOTECHNO'

442 DEOXYNUCLEOSIDE
75859 KINASE#

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L10          27 DEOXYNUCLEOSIDE(4A) KINASE#

FILE 'WPIDS'
    163 DEOXYNUCLEOSIDE
    5626 KINASE#
L11          4 DEOXYNUCLEOSIDE(4A) KINASE#

TOTAL FOR ALL FILES
L12          427 DEOXYNUCLEOSIDE(4A) KINASE#

=> s l12(10a)(insect or drosophil?)
FILE 'MEDLINE'
    39606 INSECT
    39919 DROSOPHIL?
L13          3 L1 (10A) (INSECT OR DROSOPHIL?)

FILE 'SCISEARCH'
    37979 INSECT
    55011 DROSOPHIL?
L14          3 L2 (10A) (INSECT OR DROSOPHIL?)

FILE 'LIFESCI'
    27491 INSECT
    24181 DROSOPHIL?
L15          1 L3 (10A) (INSECT OR DROSOPHIL?)

FILE 'BIOTECHDS'
    6177 INSECT
    637 DROSOPHIL?
L16          0 L4 (10A) (INSECT OR DROSOPHIL?)

FILE 'BIOSIS'
    73554 INSECT
    58570 DROSOPHIL?
L17          3 L5 (10A) (INSECT OR DROSOPHIL?)

FILE 'EMBASE'
    21277 INSECT
    29664 DROSOPHIL?
L18          3 L6 (10A) (INSECT OR DROSOPHIL?)

FILE 'HCAPLUS'
    57559 INSECT
    37095 DROSOPHIL?
L19          5 L7 (10A) (INSECT OR DROSOPHIL?)

FILE 'NTIS'
    3547 INSECT
    461 DROSOPHIL?
L20          0 L8 (10A) (INSECT OR DROSOPHIL?)

FILE 'ESBIOBASE'
    16713 INSECT
    15855 DROSOPHIL?
L21          2 L9 (10A) (INSECT OR DROSOPHIL?)

FILE 'BIOTECHNO'
    11362 INSECT
    19105 DROSOPHIL?
L22          2 L10(10A) (INSECT OR DROSOPHIL?)

FILE 'WPIDS'
    27855 INSECT
    438 DROSOPHIL?

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L23 1 L11(10A) (INSECT OR DROSOPHIL?)

TOTAL FOR ALL FILES

L24 23 L12(10A) (INSECT OR DROSOPHIL?)

=> s l12 and multifunct?

FILE 'MEDLINE'

5748 MULTIFUNCT?

L25 4 L1 AND MULTIFUNCT?

FILE 'SCISEARCH'

8742 MULTIFUNCT?

L26 6 L2 AND MULTIFUNCT?

FILE 'LIFESCI'

2416 MULTIFUNCT?

L27 1 L3 AND MULTIFUNCT?

FILE 'BIOTECHDS'

261 MULTIFUNCT?

L28 0 L4 AND MULTIFUNCT?

FILE 'BIOSIS'

5771 MULTIFUNCT?

L29 4 L5 AND MULTIFUNCT?

FILE 'EMBASE'

5029 MULTIFUNCT?

L30 4 L6 AND MULTIFUNCT?

FILE 'HCAPLUS'

13807 MULTIFUNCT?

L31 6 L7 AND MULTIFUNCT?

FILE 'NTIS'

820 MULTIFUNCT?

L32 0 L8 AND MULTIFUNCT?

FILE 'ESBIOBASE'

2927 MULTIFUNCT?

L33 2 L9 AND MULTIFUNCT?

FILE 'BIOTECHNO'

2943 MULTIFUNCT?

L34 3 L10 AND MULTIFUNCT?

FILE 'WPIDS'

10361 MULTIFUNCT?

L35 0 L11 AND MULTIFUNCT?

TOTAL FOR ALL FILES

L36 30 L12 AND MULTIFUNCT?

=> s (l24 or l36) not 2000-2002/py

FILE 'MEDLINE'

1207101 2000-2002/PY

L37 3 (L13 OR L25) NOT 2000-2002/PY

FILE 'SCISEARCH'

2350155 2000-2002/PY

L38 4 (L14 OR L26) NOT 2000-2002/PY

FILE 'LIFESCI'

222412 2000-2002/PY

L39 1 (L15 OR L27) NOT 2000-2002/PY
 FILE 'BIOTECHDS'
 31732 2000-2002/PY
 L40 0 (L16 OR L28) NOT 2000-2002/PY
 FILE 'BIOSIS'
 1254660 2000-2002/PY
 L41 3 (L17 OR L29) NOT 2000-2002/PY
 FILE 'EMBASE'
 1049559 2000-2002/PY
 L42 3 (L18 OR L30) NOT 2000-2002/PY
 FILE 'HCAPLUS'
 2346615 2000-2002/PY
 L43 4 (L19 OR L31) NOT 2000-2002/PY
 FILE 'NTIS'
 0 2000-2002/PY
 L44 0 (L20 OR L32) NOT 2000-2002/PY
 FILE 'ESBIOBASE'
 677842 2000-2002/PY
 L45 1 (L21 OR L33) NOT 2000-2002/PY
 FILE 'BIOTECHNO'
 284904 2000-2002/PY
 L46 2 (L22 OR L34) NOT 2000-2002/PY
 FILE 'WPIDS'
 2091460 2000-2002/PY
 L47 0 (L23 OR L35) NOT 2000-2002/PY
 TOTAL FOR ALL FILES
 L48 21 (L24 OR L36) NOT 2000-2002/PY

=> log y

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE
 ENTRY
 14.39

TOTAL
 SESSION
 14.60

STN INTERNATIONAL LOGOFF AT 14:03:29 ON 08 JUL 2002

| | L # | Hits | Search Text | DBs | Time Stamp |
|---|-----|------|---------------------------------|--------------------|---------------------|
| 1 | L1 | 11 | deoxynucleoside near3 kinase\$1 | USPAT; US-PGPUB | 2002/07/08 13:58 |

PGPUB-DOCUMENT-NUMBER: 20020028477
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020028477 A1

TITLE: Assay for kinases and phosphatases

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------|-----------|-------|---------|---------|
| Goueli, Said | Fitchburg | WI | US | |
| Vidugiriene, Jolanta | Madison | WI | US | |
| Karassina, Natasha | Madison | WI | US | |

US-CL-CURRENT: 435/15

ABSTRACT:

Disclosed is a method and corresponding kit for assaying the presence, activity, or both, of an enzyme classified within an enzyme classification selected from the group consisting of EC 2.7.1, EC 3.1.3, and EC 3.1.4. The method generally includes the steps of reacting an enzyme with a substrate for a time sufficient to yield phosphorylated or dephosphorylated product; contacting the product with a binding matrix, whereby product is adhered to the matrix; and then analyzing the matrix for presence of, amount of, or both the presence and the amount of the product fixed to the matrix, whereby the presence, the activity, or both the presence and activity of the enzyme can be determined.

DATE FILED: May 31, 2001

----- KWIC -----

DETX:

[0081] More specifically, the subject assay can be used to determine the presence and/or activity of any lipid or phospholipid kinase falling within the Enzyme Classification (EC) 2.7.1.x (where x is a variable), including, without limitation, EC 2.7.1.1 hexokinase, EC 2.7.1.2 glucokinase, EC 2.7.1.3 ketohexokinase, EC 2.7.1.4 fructokinase, EC 2.7.1.5 rhamnulokinase, EC 2.7.1.6 galactokinase, EC 2.7.1.7 mannokinase, EC 2.7.1.8 glucosamine kinase, EC 2.7.1.10 phosphoglucokinase, EC 2.7.1.11 6-phosphofructokinase, EC 2.7.1.12 gluconokinase, EC 2.7.1.13 dehydrogluconokinase, EC 2.7.1.14 sedoheptulokinase, EC 2.7.1.15 ribokinase, EC 2.7.1.16 ribulokinase, EC 2.7.1.17 xylulokinase, EC 2.7.1.18 phosphoribokinase, EC 2.7.1.19 phosphoribulokinase, EC 2.7.1.20 adenosine kinase, EC 2.7.1.21 thymidine kinase, EC 2.7.1.22 ribosylnicotinamide kinase, EC 2.7.1.23 NAD kinase, EC 2.7.1.24 dephospho-CoA kinase, EC 2.7.1.25 adenylyl-sulfate kinase, EC 2.7.1.26 riboflavin kinase, EC 2.7.1.27 erythritol

kinase, EC 2.7.1.28 triokinase, EC 2.7.1.29 glycerone kinase, EC 2.7.1.30
 glycerol kinase, EC 2.7.1.31 glycerate kinase, EC 2.7.1.32 choline kinase, EC
 2.7.1.33 pantothenate kinase, EC 2.7.1.34 pantetheine kinase, EC 2.7.1.35
 pyridoxal kinase, EC 2.7.1.36 mevalonate kinase, EC 2.7.1.37 protein kinase, EC
 2.7.1.38 phosphorylase kinase, EC 2.7.1.39 homoserine kinase, EC 2.7.1.40
 pyruvate kinase, EC 2.7.1.41 glucose-1-phosphate phosphodismutase, EC 2.7.1.42
 riboflavin phosphotransferase, EC 2.7.1.43 glucuronokinase, EC 2.7.1.44
 galacturonokinase, EC 2.7.1.45 2-dehydro-3-deoxygluconokinase, EC 2.7.1.46
 L-arabinokinase, EC 2.7.1.47 D-ribulokinase, EC 2.7.1.48 uridine kinase, EC
 2.7.1.49 hydroxymethylpyrimidine kinase, EC 2.7.1.50 hydroxyethylthiazole
 kinase, EC 2.7.1.51 L-fuculokinase, EC 2.7.1.52 fucokinase, EC 2.7.1.53
 L-xylulokinase, EC 2.7.1.54 D-arabinokinase, EC 2.7.1.55 allose kinase, EC
 2.7.1.56 1-phosphofructokinase, EC 2.7.1.58 2-dehydro-3-deoxygalactonokinase,
 EC 2.7.1.59 N-acetylglucosamine kinase, EC 2.7.1.60 N-acylmannosamine kinase,
 EC 2.7.1.61 acyl-phosphate-hexose phosphotransferase, EC 2.7.1.62
 phosphoramidate-hexose phosphotransferase, EC 2.7.1.63 polyphosphate-glucose
 phosphotransferase, EC 2.7.1.64 inositol 1-kinase, EC 2.7.1.65 scyllo-inosamine
 4-kinase, EC 2.7.1.66 undecaprenol kinase, EC 2.7.1.67 1-phosphatidylinositol
 4-kinase, EC 2.7.1.68 1-phosphatidylinositol-4-phosphate 5-kinase, EC 2.7.1.
 69 protein-Np-phosphohistidine-sugarphosphotransferase, EC 2.7.1.70 protamine
 kinase, EC 2.7.1.71 shikimate kinase, EC 2.7.1.72 streptomycin 6-kinase, EC
 2.7.1.73 inosine kinase, EC 2.7.1.74 deoxycytidine kinase, EC 2.7.1.75 (now EC
 2.7.1.21), EC 2.7.1.76 deoxyadenosine kinase, EC 2.7.1.77 nucleoside
 phosphotransferase, EC 2.7.1.78 polynucleotide 5'-hydroxyl-kinase, EC 2.7.1.79
 diphosphate-glycerol phosphotransferase, EC 2.7.1.80 diphosphate-serine
 phosphotransferase, EC 2.7.1.81 hydroxyllysine kinase, EC 2.7.1.82 ethanolamine
 kinase, EC 2.7.1.83 pseudouridine kinase, EC 2.7.1.84 alkylglycerone kinase, EC
 2.7.1.85 β -glucoside kinase, EC 2.7.1.86 NADH2 kinase, EC 2.7.1.87 streptomycin
 3"-kinase, EC 2.7.1.88 dihydrostreptomycin-6-phosphate 3'a-kinase, EC 2.7.1.89
 thiamine kinase, EC 2.7.1.90 diphosphate-fructose-6-phosphate
 1-phosphotransferase, EC 2.7.1.91 sphinganine kinase, EC 2.7.1.92
 5-dehydro-2-deoxygluconokinase, EC 2.7.1.93 alkylglycerol kinase, EC 2.7.1.94
 acylglycerol kinase, EC 2.7.1.95 kanamycin kinase, EC 2.7.1.96 (included in EC
 2.7.1.86), EC 2.7.1.97 (identical to EC 2.7.1.125), EC 2.7.1.99 [pyruvate
 dehydrogenase (lipoamide)] kinase, EC 2.7.1.100 5-methylthioribose kinase, EC
 2.7.1.101 tagatose kinase, EC 2.7.1.102 hamamelose kinase, EC 2.7.1.103
 viomycin kinase, EC 2.7.1.104 diphosphate-protein phosphotransferase, EC
 2.7.1.105 6-phosphofructo-2-kinase, EC 2.7.1.106 glucose-1,6-bisphosphate
 synthase, EC 2.7.1.107 diacylglycerolkinase, EC 2.7.1.108 dolichol kinase, EC
 2.7.1.109 [hydroxymethylglutaryl-CoA reductase (NADPH2)] kinase, EC 2.7.1.110
 dephospho-[reductase kinase] kinase, EC 2.7.1.111 (now EC 2.7.1.128), EC
 2.7.1.112 protein-tyrosine kinase, EC 2.7.1.113 deoxyguanosine kinase, EC
 2.7.1.114 AMP-thymidine kinase, EC 2.7.1.115 [3-methyl-2-oxobutanoate
 dehydrogenase (lipoamide)] kinase, EC 2.7.1.116 [isocitrate dehydrogenase
 (NADP)] kinase, EC 2.7.1.117 myosin-light-chain kinase, EC 2.7.1.118
 ADP-thymidine kinase, EC 2.7.1.119 hygromycin-B kinase, EC 2.7.1.120 caldesmon
 kinase, EC 2.7.1.121 phosphoenolpyruvate-glycerone phosphotransferase, EC
 2.7.1.122 xylitol kinase, EC 2.7.1.123 Ca^{2+} /calmodulin-dependent protein
 kinase, EC 2.7.1.124 [tyrosine 3-monooxygenase] kinase, EC 2.7.1.125 rhodopsin
 kinase, EC 2.7.1.126 β -adrenergic-receptor kinase, EC 2.7.1.127
 1-D-myo-inositol-trisphosphate 3-kinase, EC 2.7.1.128 [acetyl-CoA carboxylase]
 kinase, EC 2.7.1.129 myosin-heavy-chain kinase, EC 2.7.1.130
 tetraacyldisaccharide 4'-kinase, EC 2.7.1.131 low-density-lipoprotein kinase,

EC 2.7.1.132 tropomyosin kinase, EC 2.7.1.133 inositol-trisphosphate 6-kinase, EC 2.7.1.134 inositol-tetrakisphosphate 1-kinase, EC 2.7.1.135 tau-protein kinase, EC 2.7.1.136 macrolide 2'-kinase, EC 2.7.1.137 1-phosphatidylinositol 3-kinase, EC 2.7.1.138 ceramide kinase, EC 2.7.1.139 inositol-trisphosphate 5-kinase, EC 2.7.1.140 inositol-tetrakisphosphate 5-kinase, EC 2.7.1.141 [RNA-polymerase]-subunit kinase, EC 2.7.1.142 glycerol-3-phosphate-glucose phosphotransferase, EC 2.7.1.143 diphosphate-purine nucleoside kinase, EC 2.7.1.144 tagatose-6-phosphate kinase, and EC 2.7.1.145 deoxynucleoside kinase.

US-PAT-NO: 6340585

DOCUMENT-IDENTIFIER: US 6340585 B1

TITLE: Synthetic medium for cultivating Lactobacillus and Bifidobacteria

DATE-ISSUED: January 22, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------------|-------|----------|---------|
| Elli; Marina | Lausanne | N/A | N/A | CHX |
| Zink; Ralf | Le Mont Pelerin | N/A | N/A | CHX |
| Marchesini-Huber; | Savigny | N/A | N/A | CHX |
| Barbara | Le Mont Pelerin | N/A | N/A | CHX |
| Reniero; Roberto | | | | |

US-CL-CURRENT: 435/252.9, 435/243, 435/252.1, 435/252.4, 435/253.6, 435/854, 435/855, 435/856

ABSTRACT:

The present invention relates to a novel defined medium suitable to cultivate lactic acid bacteria, such as Lactobacillus or Bifidobacteria. In particular the present invention pertains to the use of said medium for the isolation of bioactive molecules or functional metabolites.

11 Claims, 0 Drawing figures

Exemplary Claim Number: 1

DATE FILED: March 22, 2000

----- KWIC -----

BSPR:

In the past few decades several studies were performed by means of defined media, on the strain Lactobacillus johnsonii ATCC 11506 (formerly known as Lactobacillus acidophilus R-26), firstly proposed by Hoff-Jorgensen as an experimental organism for determining the presence of DNA residues in biological samples (Hoff-Jorgensen, "A microbiological assay for deoxyribonucleosides and deoxyribonucleic acid", Biochem J. 50 (1952), 400-403). Ives and Ikeda report in "Life on the salvage path: the deoxynucleoside kinases of Lactobacillus acidophilus R26", Progr. Nucl. Acid. Res. (1998), 207-252, that this strain requires the presence of at least one deoxyribonucleoside in the growth medium due to the functional absence of ribonucleotide reductase activity.